AMENDMENTS TO THE SPECIFICATION WITH MARKINGS TO SHOW CHANGES MADE

Amend the following paragraph(s):

SW
6-16-08
0010
[0011]   -- A counting unit and a memory unit for counting and storing the number of stimulation pulses transmitted within a definable time interval are also provided, as is a determination unit for determining [[an]] a mean stimulation frequency within the definable time interval.--.

SW
6-16-08
0014
[0015]   -- Each transmitted stimulation pulse is counted and computed over an extended observation time to yield a mean stimulation frequency. A longer observation time according to the invention has a duration of at least 30 minutes, in particular one hour or several hours. Advantageously, observation times are 12 or 24 hours. The mean stimulation frequency must be determined individually for each patient and must not exceed a maximum value of the 0.2 to 2 pulses per second (Hz), in particular 0.7 to 1 Hz, so as to prevent overexertion of the muscle and a medium-term muscle destruction. The mean stimulation frequency should therefore be evaluated so as to arrive at the desired muscle transformation and preservation effect, and to control the transmission of stimulation pulses depending on the outcome of the evaluation. For this purpose, a continuously operating evaluation unit for observing the limit values for the mean stimulation frequency is provided, wherein the limit values can be individually set in a range of 0.2 stimulation pulses per second to 2 stimulation pulses per second. Pulse conservation means, also referred to as pulse saving means, are provided for adapting and, more particularly, reducing the mean stimulation frequency as a function of the measured mean stimulation frequency and the defined desired values of the evaluation unit. The pulse conservation means include a computing unit for computing a modified stimulation pattern according to an equation which depends on the mean stimulation frequency. In addition, a memory module for storing the temporal course of the number of supplied stimulation pulses can be